



**2013 Alabama Department of Environmental Management Groundwater Conference**  
**Gordon Persons Building Auditorium, Montgomery, Alabama**  
**Wednesday, June 5, 2013**

7:30 am – 8:00 am	Registration
8:00 am – 8:20 am	Welcome and Opening Remarks
8:20 am – 9:00 am	<i>Water Resource Management and Policy Development: Don't Put the Cart Before the Horse</i> Marlon Cook, Geological Survey of Alabama
9:00 am – 9:40am	<i>Investigation for Groundwater Resources in Karstified Limestone Formations, Saraburi Province, Thailand</i> Gheorghe Ponta, Bashir Memon, Daniel Green, and James LaMoreaux PELA GeoEnvironmental
9:40 am – 10:10 am	<i>Sequential Shutdown of Remediation Systems by MNA Evaluation Process</i> Bob Goodson, CH2M Hill
<b>10:10 am – 10:25 am</b>	<b>Break</b>
10:25am – 10:50 am	<i>Hydraulic Fracturing 101 - Federal Regulatory Perspective SDWA/CWA</i> Fred McManus, U.S. EPA Region 4
10:50 am – 11:25 am	<i>The Use of Horizontal Sparge Wells for the Remediation of LNAPL</i> Bob Lunardini, URS
11:25 am – 11:50 am	<i>Reducing O&amp;M Costs with Remedial Process Optimization: Concepts and Case Studies</i> Mike Perlmutter, CH2M Hill
<b>11:50 am - 1:10 pm</b>	<b>Lunch on your own (eat in the cafeteria or visit nearby restaurants)</b>
1:10 pm – 1:40 pm	<i>Hydraulic Fracturing – A State Regulator's Perspective</i> David Bolin, Alabama Oil and Gas Board
1:40 pm – 2:10 pm	<i>Permitting of Decentralized Wastewater Systems for Protection of Surface Water</i> Sonja Massey, ADEM
2:10 pm – 2:45 pm	<i>Update on Southern Company's Carbon Capture &amp; Geologic Storage Demonstration in South Alabama</i> Richard Esposito, Southern Company
2:45 pm – 3:15 pm	<i>The Cretaceous-Paleogene ("KT") Boundary in Belize and Alabama</i> David King, Auburn University
<b>3:15 pm – 3:30 pm</b>	<b>Break</b>
3:30 pm – 4:10 pm	<i>Establishing Basic Data Collection and Review Standards: How to Get What You Want and Need From Your Analytical Laboratory</i> Dianne M. Rosseter, SynTerra Corporation
4:10 pm – 4:40 pm	<i>How to Reduce Remediation Costs and Save Landfill Space Using Segregation of Target Organ Toxicity in Risk Assessments</i> Sara Mathews, AMEC
4:40 pm – 5:00 pm	<i>Drought: Short Term Aberration or Climate Change</i> James Robinson, Goodwyn Mills & Cawood